ISO 17607-1:2023-12 (E)

Steel structures - Execution of structural steelwork - Part 1: General requirements and terms and definitions

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **2**

3 Terms and definitions ... **2**
3.1 Terms related to general requirements ... 2
3.2 Terms related to steels ... 5
3.3 Terms related to fabrication and erection ... 7
3.4 Terms related to welding ... 8
3.5 Terms related to structural bolting ... 8

4 Execution specification and quality requirements ... **12**
4.1 Execution specification ... 12
4.1.1 General ... 12
4.1.2 Execution levels ... 13
4.1.3 Identification and traceability ... 13
4.1.4 Geometrical tolerances ... 14
4.1.5 Architecturally exposed structural steel (AESS) ... 14
4.2 Quality requirements ... 14
4.2.1 Quality management system ... 14
4.2.2 Quality documentation ... 14
4.2.3 Quality plan ... 15
4.2.4 Execution documentation ... 15

5 Constituent products ... **15**
5.1 General ... 15
5.2 Conformance with inspection documents ... 15

6 Inspection, testing, and correction ... **16**
6.1 General ... 16
6.2 Constituent products and components ... 16
6.2.1 Constituent products ... 16
6.2.2 Components ... 16
6.2.3 Non-conforming products ... 17
6.3 Geometrical dimensions of fabricated and erected components ... 17

7 Documents required to claim conformity to this document ... **17**
7.1 General ... 17
7.2 Declaration of conformity ... 18

Annex A (normative) **Additional information, list of options and requirements related to the execution levels** ... **19**

Annex B (informative) **Guidance for development of the execution specification** ... **21**

Annex C (informative) **Guidance for the determination of execution levels** ... **22**

Annex D (informative) **Checklist for the content of a quality plan** ... **26**

Annex E (informative) **Architecturally exposed structural steel (AESS)** ... **29**

Bibliography ... **30**